[redacted]

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L13     STRUCTURE UPLOADED

=> s l13
SAMPLE SEARCH INITIATED 18:14:23 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     30 TO ITERATE

100.0% PROCESSED      30 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          272 TO      928
PROJECTED ANSWERS:               0 TO        0

L14           0 SEA SSS SAM L13

=> s l13 sss full
FULL SEARCH INITIATED 18:14:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    631 TO ITERATE

100.0% PROCESSED     631 ITERATIONS                               6 ANSWERS
SEARCH TIME: 00.00.01

L15           6 SEA SSS FUL L13

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                  155.42     494.92

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                    0.00     -13.87

FILE 'CAPLUS' ENTERED AT 18:14:39 ON 20 MAR 2004
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FILE COVERS 1907 - 20 Mar 2004  VOL 140 ISS 13
FILE LAST UPDATED: 19 Mar 2004  (20040319/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.
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=> s l15
L16          1 L15

=> d l16 bib abs hitstr

L16  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2004 ACS on STN
AN   2000:420953  CAPLUS
DN   133:58620
TI   Preparation of hydroxy diphenyl urea sulfonamides as IL-8 receptor
     antagonists
IN   Jin, Qi; McCleland, Brent W.; Palovich, Michael R.; Widdowson, Katherine
     L.
PA   Smithkline Beecham Corp., USA
SO   PCT Int. Appl., 116 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.         KIND  DATE           APPLICATION NO.  DATE
     ---------------    ----  --------       ---------------  --------
PI   WO 2000035442      A1    20000622       WO 1999-US29940  19991215
         W:  AE, AL, AU, BA, BB, BG, BR, CA, CN, CZ, EE, GE, GH, GM, HR, HU,
             ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN,
             MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, TZ, UA, US, UZ, VN,
             YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
             DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
             CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     CA 2355890          AA    20000622       CA 1999-2355890  19991215
     BR 9916159          A     20011204       BR 1999-16159    19991215
     EP 1161232          A1    20011212       EP 1999-965288   19991215
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     AU 748799           B2    20020613       AU 2000-31237    19991215
     JP 2002532419       T2    20021002       JP 2000-587762   19991215
     US 6500863          B1    20021231       US 2001-868165   20010613
     NO 2001002948       A     20010615       NO 2001-2948     20010614
     ZA 2001004862       A     20020916       ZA 2001-4862     20010614
     BG 105661           A     20020228       BG 2001-105661   20010629
     US 2003109527       A1    20030612       US 2002-299503   20021118
PRAI US 1998-112481P     P     19981216
     US 1999-137003P     P     19990601
     WO 1999-US29940     W     19991215
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OS   MARPAT 133:58620
GI
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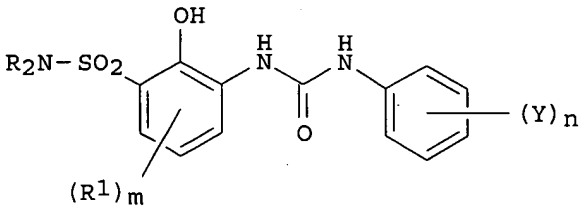
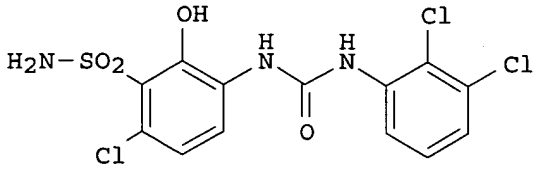


I



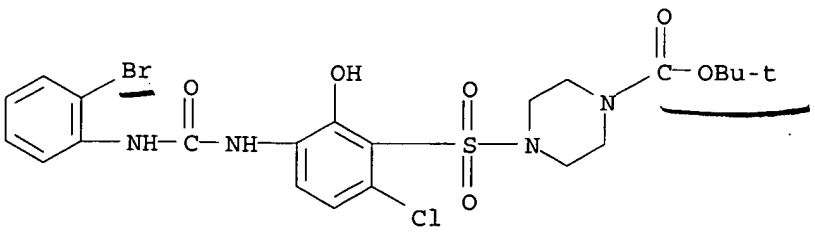
II

AB The title compds. (I) [wherein R = independently H, (un)substituted amino, OH, alkoxy, acyloxy, aryl(alkyl), cycloalkyl, heteroaryl, heterocyclic(alkyl), etc.; R1 = independently H, halogen, NO2, CN, alkyl, alkenyl, aryl(alkyl)oxy, heteroaryl(alkyl), heterocyclic(alkyl), (un)substituted amino(alkyl), amido(alkyl), etc.; Y = H, halogen, NO2, CN, (halo)alkyl, alkenyl, (halo)alkoxy, azido, alkylsulfonyl(alkyl), aryloxy, heteroaryl, heterocyclic, (un)substituted amino, amido(alkyl), etc.; m = 1-3; n = 1-3] and their pharmaceutically acceptable salts were prepared by reaction of aminophenylsulfonamides with phenylisocyanates. For example, II.Na was formed by condensation of 3-amino-6-chloro-2-hydroxybenzenesulfonamide (6-step synthesis given) with 2,3-dichlorophenylisocyanate in DMF (74%), followed by treatment with aqueous NaOH in acetone (91%). Representative invention compds. exhibited pos. inhibitory activity against interleukin-8 (IL-8) and GRO-α in receptor binding assays with IC50 < 30 μM. I are useful in the treatment of disease states mediated by the chemokine, Interleukin-8 (IL-8).

IT **276700-90-4P 276700-91-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of hydroxy di-Ph urea sulfonamide IL-8 receptor antagonists by condensation of aminophenylsulfonamides with phenylisocyanates)

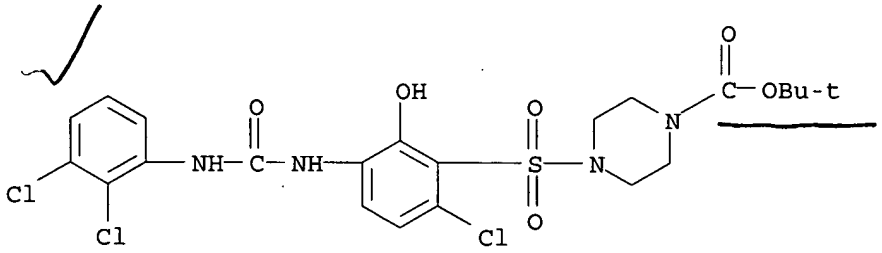
RN 276700-90-4 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[[3-[[[(2-bromophenyl)amino]carbonyl]amino]-6-chloro-2-hydroxyphenyl]sulfonyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 276700-91-5 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[[6-chloro-3-[[[(2,3-dichlorophenyl)amino]carbonyl]amino]-2-hydroxyphenyl]sulfonyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



IT **276700-93-7P 276700-95-9P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of hydroxy di-Ph urea sulfonamide IL-8 receptor antagonists by condensation of aminophenylsulfonamides with phenylisocyanates)

RN 276700-93-7 CAPLUS
CN Piperazine, 1-[[6-chloro-3-[[[(2,3-dichlorophenyl)amino]carbonyl]amino]-2-hydroxyphenyl]sulfonyl]-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

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CRN 276700-92-6
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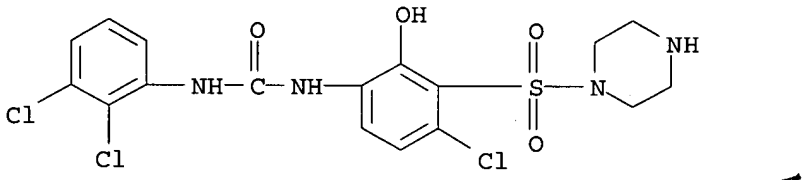
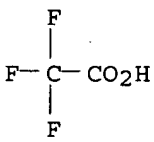


CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 276700-95-9 CAPLUS
CN Piperazine, 1-[[3-[[[(2-bromophenyl)amino]carbonyl]amino]-6-chloro-2-hydroxyphenyl]sulfonyl]-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

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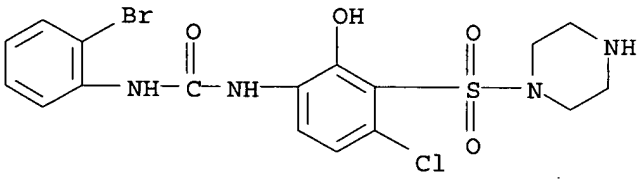
CRN 276700-94-8
CMF C17 H18 Br Cl N4 O4 S



CM 2

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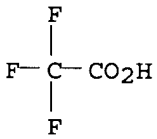

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.19	500.11

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.69	-14.56

FILE 'CAOLD' ENTERED AT 18:15:13 ON 20 MAR 2004
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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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=> d his

     (FILE 'HOME' ENTERED AT 16:59:38 ON 20 MAR 2004)

     FILE 'REGISTRY' ENTERED AT 16:59:44 ON 20 MAR 2004
L1                STRUCTURE UPLOADED
L2             50 S L1
L3                STRUCTURE UPLOADED
L4             11 S L3
L5                STRUCTURE UPLOADED
L6              8 S L5
L7                STRUCTURE UPLOADED
L8              7 S L7
L9            253 S L7 SSS FULL

     FILE 'CAPLUS' ENTERED AT 17:23:11 ON 20 MAR 2004
L10            6 S L9

     FILE 'CAOLD' ENTERED AT 17:30:45 ON 20 MAR 2004
L11            0 S L9

     FILE 'REGISTRY' ENTERED AT 17:31:06 ON 20 MAR 2004
                SAVE L9 PETER/A

     FILE 'REGISTRY' ENTERED AT 17:40:39 ON 20 MAR 2004

     FILE 'CAPLUS' ENTERED AT 17:40:45 ON 20 MAR 2004
L12            6 S L9

     FILE 'CAPLUS' ENTERED AT 17:45:19 ON 20 MAR 2004

     FILE 'REGISTRY' ENTERED AT 18:13:55 ON 20 MAR 2004
L13               STRUCTURE UPLOADED
L14            0 S L13
L15            6 S L13 SSS FULL

     FILE 'CAPLUS' ENTERED AT 18:14:39 ON 20 MAR 2004
L16            1 S L15

     FILE 'CAOLD' ENTERED AT 18:15:13 ON 20 MAR 2004

=> s l15
L17          0 L15

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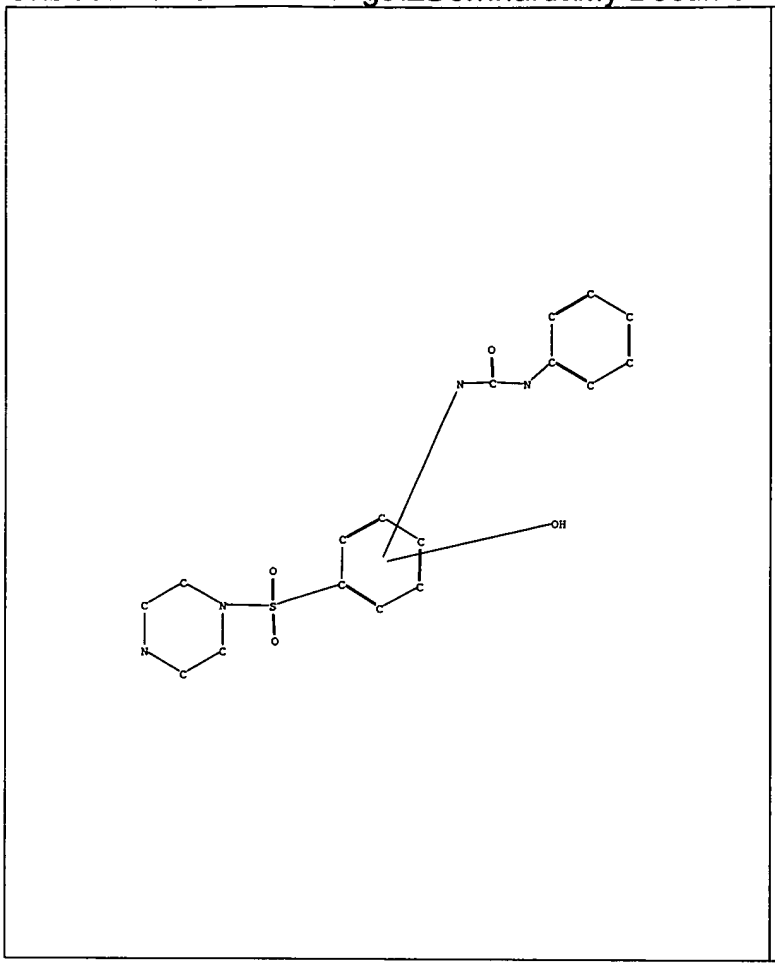

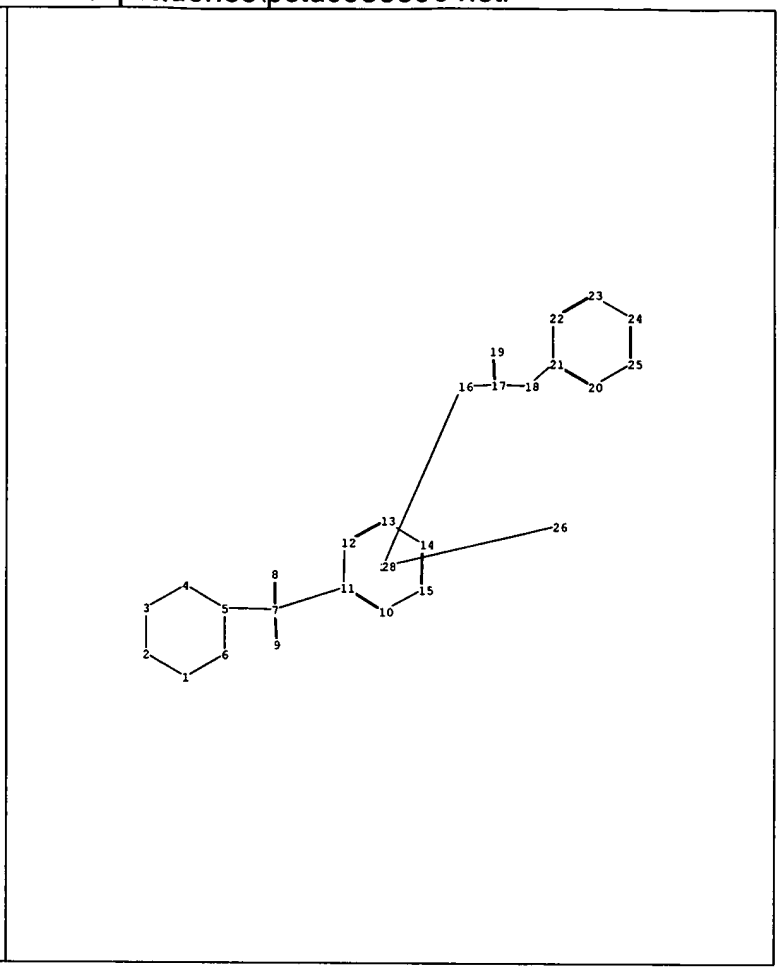

chain nodes :
7 8 9 16 17 18 19 26
ring nodes :
1 2 3 4 5 6 10 11 12 13 14 15 20 21 22 23 24 25
chain bonds :
5-7 7-8 7-9 7-11 16-17 17-18 17-19 18-21
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15 20-21 20-25 21-22 22-23 23-24 24-25
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 7-8 7-9 7-11 16-17 17-18 17-19 18-21
normalized bonds :
10-11 10-15 11-12 12-13 13-14 14-15 20-21 20-25 21-22 22-23 23-24 24-25
isolated ring systems :
containing 1 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:CLASS 27:CLASS 28:CLASS